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methylation "multiple displacement amplification" [Search](#) Advanced Scholar Search

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Rapid analysis of CpG methylation patterns using RNase T1 cleavage and MALDI-TOF

P Schatz, D Brincker - *Nature Methods research* 2004 - Oxford Univ Press

... Unmethylated DNA was prepared by MDA (**multiple displacement amplification**), a genome-wide amplification method described by Dean et al. (12). For the preparation of mixtures with defined methylation states, a portion of this amplification was treated with SssI as described ...

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Advanced sequencing technologies, methods and goals

J Strelakova, FD Minx, G Venter - *Nature Reviews Genetics*, 2004 - nature.com

This feature is relevant to all technologies, and we should take note that methods for amplifying large DNA molecules by **MULTIPLE DISPLACEMENT AMPLIFICATION** or **WHOLE-GENOME AMPLIFICATION** are improving rapidly [2, 53] ...

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Application of laser capture microdissection in genetic analysis of neuroblastoma and neuroblastoma precursor cells

KD Pretz, J Verhaeghe, P Hermans - *Cancer letters*, 2005 - Elsevier

... stream applications, such as loss of heterozygosity analysis (LOH), CGH and CGH array analysis, methylation-specific PCR, real ... DNA sample, is degenerate oligonucleotide-primed PCR [14], adaptor ligation mediated PCR [15] and **multiple displacement amplification** based on ...

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Genomic microarrays in the spotlight

KK Mantriappan, Pd Buckley, T Diaz-de-Santos - *TRENDS in ...*, 2004 - Elsevier

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Characterizing the physical genome

PL Pollock - *nature genetics* 2002 - nature.com

... Genomic DNA may be modified specifically by processes such as **methylation**, and these modifications can further define functional features of the genome. ... **DNA methylation** in many eukaryotes: **DNA methylation** is important for regulating gene expression. ...

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Methylation-sensitive restriction enzyme endonuclease method of whole genome methylation analysis

K Gunderson - US Patent App. 20,061,124,650, 2004 - freepatentsonline.com

... Isochizozymes can have different reactivity for a site based on presence or absence of a modification such as **methylation** as set ... amplification methods that can be used in a method of the invention include, but are not limited to, **Multiple Displacement Amplification** (MDA) under ...

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Methylation-sensitive restriction enzyme endonuclease method of whole genome methylation analysis

K Gunderson - US Patent App. 11,191,652, 2004 - Google Patents

... Date: Jun. 22, 2006 (54) **METHYLATION-SENSITIVE RESTRICTION ENZYME ENDONUCLEASE METHOD OF WHOLE GENOME METHYLATION ANALYSIS** (75) Inventor: Kevin Gunderson, Encinitas, CA (US) Correspondence Address: ILLUMINA, INC. ...

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Helicase dependent amplification of nucleic acids

H Kunk, M Vitzthum - US Patent App. 20,040,135,378, 2003 - freepatentsonline.com

... Recently, RCA has been further developed in a technique, named **Multiple Displacement Amplification** (MDA), which generates a highly uniform ... be subject to modification where individual nucleotides within the nucleic acid are chemically altered (for example, by **methylation**). ...

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In vitro DNA immortalization and whole genome amplification using libraries generated from randomly fragmented DNA

JH Pinter, T Kurthar, I Sieptova... - US Patent App. 10, ... 2004 - Google Patents

Page 1. US 2004/020929A1 (19) United States (12) Patent Application Publication

(10) Pub. No.: US 2004/0209299 A1 Pinter et al. (43) Pub. Date: Oct. 21, 2004 (54)

IN VITRO DNA IMMORTALIZATION AND WHOLE GENOME ...

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Method of amplifying whole genomes without subjecting the genome to denaturing conditions

FB Gruen, M Vitzthum - US Patent 6,812,712, 2004 - Google Patents

... It was discovered that the target nucleic acids, genomic DNA, for example, need not be denatured for efficient **multiple displacement amplification**. ... Sano et al., Detection of heavy **methylation** in human repetitive DNA subsets by a monoclonal antibody against 5-methylcytosine. ...

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